

Description of *Donacia* (*Cyphogaster*) *miyatakei* sp. nov. from Malaysia,  
a Cryptic Species of *Donacia provostii* FAIRMAIRE (Coleoptera,  
Chrysomelidae, Donaciinae)

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**Abstract** A new donaciine species from Malaysia, *Donacia* (*Cyphogaster*) *miyatakei*, is described. It resembles *Donacia provostii* FAIRMAIRE but apical shape of the endophallus is the most important feature of their discrimination.

*Donacia provostii* FAIRMAIRE, the type species of the subgenus *Cyphogaster* GOECKE, is widely distributed in East and Southeast Asia (GOECKE, 1934). I recognized a new species of the subgenus from Malaysia which is a cryptic species of *D. provostii*. The new species is characterized by slender median process of the endophallus. All the specimens of the type series are housed in the Osaka Museum of Natural History (OMNH).

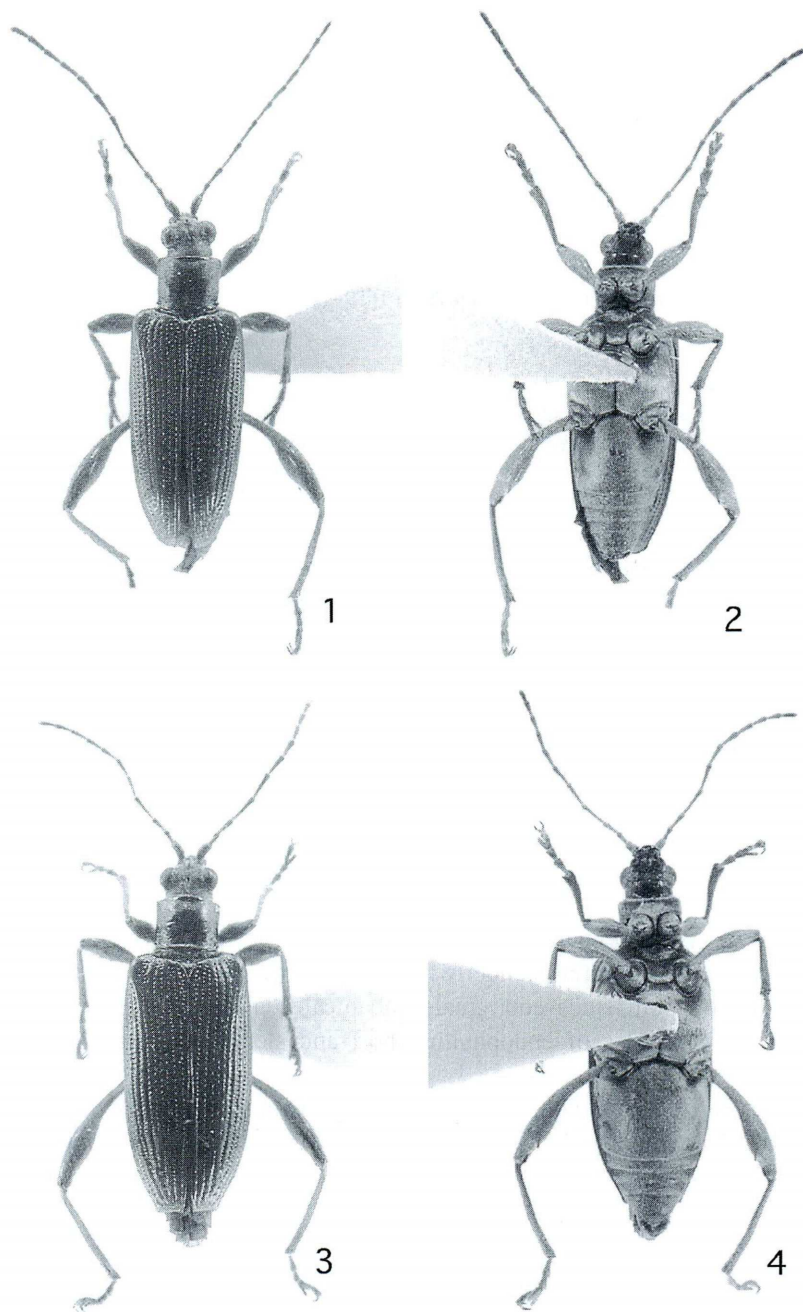
I gratefully acknowledge my indebtedness to Mr. Shigehiko SHIYAKE (OMNH) for allowing access to the referred materials.

*Donacia* (*Cyphogaster*) *miyatakei* sp. nov.

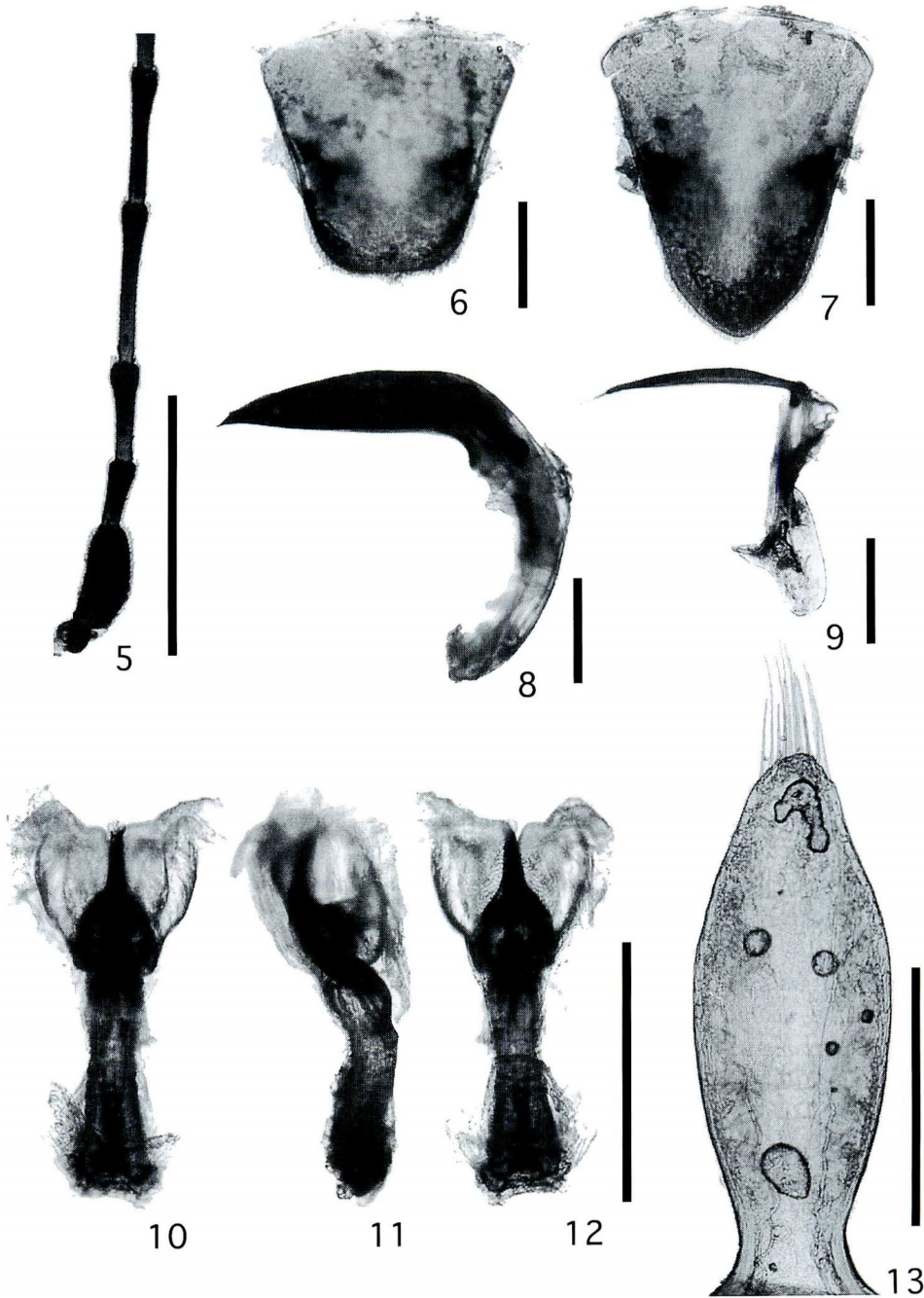
(Figs. 1–14)

**Diagnosis.** Antennomere 3 longer than 2, antennomere 4 the longest; legs elongate and bicolored, metafemur slender with a tooth; apex of median lobe rounded with a median lip and both sides emarginate subapically, a cap of tegmen broad, apex rounded; median process of endophallus short and slender, basal supporting block elongate.

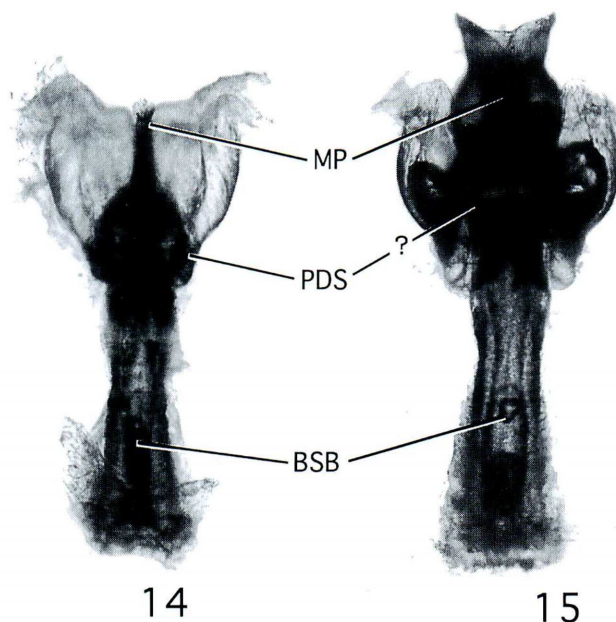
**Description.** Male. Eyes strongly convex, supraocular furrow deep, vertex pubescent with deep median line; antennomere 3 longer than 2, antennomere 4 the longest, antennomere 5 twice as long as 2. Pronotum widely quadrate, anterolateral calli indistinct, median line present, disc with transverse fine rugae, finely punctate over much of disc, basal sulcus narrow with rugae. Elytra rufous tinged with red, green, blue, or purple luster; sutural interval entirely smooth, gradually narrowing towards apex, other intervals also shiny but rugose on lateral and apical areas; apex widely truncate, outer apical angle obtuse more or less rounded, inner apical angle obtuse. Legs bicolored, metafemur elongate with a sharply pointed tooth; metatibia slen-



Figs. 1-4. *Donacia miyatakei* sp. nov. — 1-2, Male (holotype); 3-4, female. 1, 3, dorsal view; 2, 4, ventral view.



Figs. 5–13. *Donacia miyatakei* sp. nov.—5, Antenna; 6–7, pygidium (6, male; 7, female); 8–13, male genitalia: 8, median lobe; 9, tegmen; 10–12, endophallus (10, dorsal view; 11, lateral view; 12, ventral view); 13, a cap of tegmen. Scale bars=0.5 mm.



Figs. 14–15. Endophallus of *Donacia* spp.—14, *D. miyatakei*; 15, *D. provostii*. MP, median process; PDS, paired dorsal sclerites; BSB, basal supporting block.

der. Pygidium trapezoidal in general shape; apex pubescent and widely truncate. Apex of median lobe rounded with a median lip and both sides emarginate subapically; a cap of tegmen entirely oval, apex rounded with setae; median process of endophallus short and slender, basal supporting block elongate. First abdominal sternite (sternum III) with two tubercles on middle; last sternite (sternum VII) punctate, apical shape truncate, apical depression shallow but evident.

Female. Pygidium elongate, apex gently rounded. First abdominal sternite (sternum III) without tubercles at middle; last sternite (sternum VII) punctate, apex narrowly rounded.

*Measurements.* Body length: male 8.6–9.1 mm; female 8.9–9.6 mm.

*Type series.* Holotype: 1 ♂, Taiping Lake, Perak, Malaysia, 10–X–1986, Y. MIYATAKE leg. (OMNH–TI–195). Paratypes: 3 ♂♂, 7 ♀♀, same data as holotype.

*Distribution.* Malaysia. It is possible that the new species is widely distributed in Southeast Asia.

*Etymology.* This new species is dedicated to Mr. Yorio MIYATAKE who collected the type series of the new species.



***Donacia (Cyphogaster) provostii* FAIRMAIRE**

(Fig. 15)

*Donacia provostii* FAIRMAIRE, 1885, Bull. Soc. ent. France, (6), **5**: 64 (Beijing).*Donacia nitidicollis* WEISE, 1898, Arch. Naturg., **64A** (1): 177 (Changyang).*Donacia brevicollis* WEISE, 1898, Arch. Naturg., **64A** (1): 177 (Amur).*Donacia sikanga* GRESSITT, 1942, J. Lingnan Sci., **20**: 277 (Yachow, Siking).*Donacia yuasai* NAKANE, 1963, Fragm. coleopterol., Kyoto, (4): 18 (Oze, Japan).

**Diagnosis.** Antennomere 3 longer than 2, antennomere 4 the longest; legs elongate and bicolored, metafemoral shape slender with a tooth; apex of median lobe rounded with a median lip and both sides emarginate subapically, a cap of tegmen broad, apex rounded; median process of endophallus robust, apex truncate, basal supporting block elongate.

**Distribution.** Far East Russia, Korea, Japan, Ryukyus, Taiwan, China, SE. Asia.

## 要 約

林 成多：マレーシア産イネネクイハムシ亜属の1新種，*Donacia (Cyphogaster) miyatakei* の記載。—— 大阪市立自然史博物館所蔵のマレーシア産ネクイハムシ亜科の標本から未記載種のイネネクイハムシ亜属を見出し，新種*Donacia (Cyphogaster) miyatakei* sp. nov.として記載した。本種は外見上，イネネクイハムシ*Donacia (Cyphogaster) provostii* FAIRMAIREとは見分けがつかない隠蔽種であるが，雄交尾器の骨片（内袋）の中央突起が細く，イネネクイハムシのものとはまったく異なる。なお，イネネクイハムシにはいくつかのシノニムが知られるが，いずれもシベリアや中国，日本産の標本に基づいて記載されており，これらは真の*D. provostii*のシノニムであるとみなした。本新種の種小名は，タイプシリーズの採集者であり，大阪市立自然史博物館の前館長，宮武頼夫氏に献名した。

## Reference

GOECKE, H., 1934. Revision asiatischer Donaciinen (Col. Chrys.). I. *Koleopt. Rdsch.*, **20**: 215–230, 1 pl.